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| ATCC 21253 NRRL B-11474 | pyc pyc | 801 IVAAFAHATTR DTGLSLEAVS DLEPYWEAVR GLYLPFESGT PGPTGRVYRH | 850 |
| ATCC 21253 NRRL B-11474 | pyc pyc | 851 EIPGGQLSNL RAQATALGLA DRFELIEDNY AAVNEMLGRP TKVTPSSKV | 900 |
| ATCC 21253 NRRL B-11474 | pyc pyc | 901 GDLALHLVGA GVDPADFAAD PQKYDIPDSV IAFLRGELGN PPGGWPEPLR | 950 |
| ATCC 21253 NRRL B-11474 | pyc pyc | 951 TRALEGRRSEG KAPLTEVPEE EQAHLDADDS KERRNSLNRL LFPKPTEEFL | 1000 |
| ATCC 21253 NRRL B-11474 | pyc pyc | 1001 EHRRRRFGNTS ALDDREFFYVG LVEGRETLLR LPDVRTPLLV RLDAISEPDD | 1050 |
| ATCC 21253 NRRL B-11474 | pyc pyc | 1051 KGMRNNVVANV NGQIRPMRVR DRSVESVTAT AEKADSSNKG HVAAPFAGVV | 1100 |
| ATCC 21253 NRRL B-11474 | pyc pyc | 1101 TVTVAEGDEV KAGDAVAIIE AMKMEATITA SVDGKIDRVV VPAATKVEGG E | 1150 |
| ATCC 21253 NRRL B-11474 | pyc pyc | 1151 DLIIVVVS | |

FIG. 3A

MTAITLGGLLLKGIIITLWSTHTSSTLPAFKKILVANRGEIAVRAFRAALETGAATVAIYP
REDRGSFHRSEASEAVRIGTEGSPVKAYLDIEIIGAAKKVKADAIYPGVGFLSENAQLA
RECAENGITFIGPTPE'LLDLTGDKSRVATAKKAGLPVLAESTPSKNIDDIVKSAEQTY
PIFVKAVAGGGGRGMR'LLSPDELRKLAETEASREAEAAFQDGSVVVERAVINPQHIEVQI
LGDRTOEVVHLYERDCSQRHHQKVVEIAPAQHLDPELRDTCADAVKFCRSIGYQGAGT
VEFLVDEKGHNHFIEMNFRIQVEHTVTEEVTLVKAQMRLLAAGATLKEGLTQDKIKT
HGAALQCRITTEDPNNGFRPDTGTTIAYRSFCGAGVRLDGAQOLGGEITAHFDSMLVKMT
CRGSDETAVARAQRALAEFTVSGVATNIIGFLRALLREEDFTSKRIATGFIGDHPHLLQA
PPADDEQGRILLDYLADVTVNPKPHGVRPKDVAAPIDKLPNIKDLPLPRGSRDRLKQLCPAA
FARDLREQDALAVTDTFRDAHQSLLATRVRSFALKPAAEAVAKLTPELLSVEAWGGATY
DVAMRFLFEDPWDRLDELREAMPVNQIQLLRGRNTVGYTPYPDSCVRAFPKEAASSGVD
IFRIFDALNDVSQMRPAIDAVLETNTVAEVAMAYSGDLSDPNEKLYTLDYLYLMAEEIV
KSGAHILAIKDMALLRPAAVTKLVTALRREFDLPVHVHTHDAGQQLATYFAAAQAGAD
AVDGASAPLSGTTSQPSLSAIVAAFAHTTREDTGLSLEAVSDELPYWEAVRGLYLPFESGT
PGPTGRVYRHEIFGGQLSNLRAQATALGLADRFLIEDNYAAVNEMLGRPTKVTPSSKV
GDLALHLVAGGVDPADEFAADPKYDIPDSVIAFRLRGELNPFGWPEPLTRALEGRSEV
KAPLTVEPSEEQAHLDADSKERRNSLNRLFPKPTEEFLERHRRFGNTSALDDREFY
LVEGRTLIRLPDVRTPLLVRDLAISEPDDKGMRNVVANVNGQIRPMVRDRSVESVTAT
AEKADSSNKGHVAPPAGVVTVTVAEGDEVKAGDAVAAIEAMKMEATITASVGDKIERVV
VPAATKVEGGDLIVVS